

TG300/200 User Manual

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Preface

Thank you for purchasing our products. This TG300/200 product has the limit action snap of 60 photos to capture the moving images speedily, it has a high definition lens with five million pixels and it can realize 1080P high-resolution video recording and unique lens reversing function. The product applies to recording the car driving safety and it can also be used as a DV for recording/shooting. It is exquisite in appearance and it won many patents and certificates, in a word, TG300/200 will make your life more wonderful.

This manual will guide you to use the product and give you more detailed information, including the use, operation and installation precautions, technical specifications, etc.. Before the use, please read it carefully and keep it properly. We hope that the product can meet your demand and serve you permanently.

General Information

This product is a high-definition driving recorder to meet the demands of market. It has leading functions such as high-definition video/pictures taking, hi-speed USB data transmission, USB charging and car charging.

Widely Used, Can Record Anywhere Anytime



Product Features

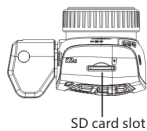
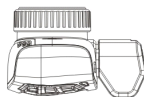
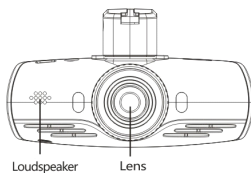
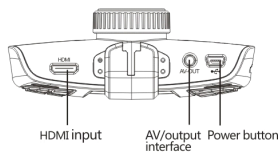
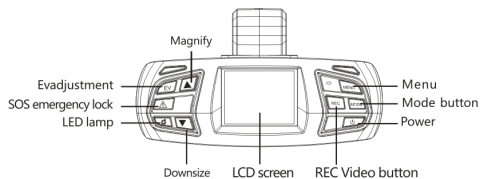
- Ultra-small design with multi-functions, easy to take high-resolution videos/pictures anywhere and capture ultra-clear images at will.
- 1.5 inch TFT LCD
- 1/2.5 inch high-definition sensor
- 4 prime lens, focal range is from 10cm to infinity
- 8X digital zoom
- LED Lamp
- Video specification: TS(H.264)
- In-built microphone/loudspeaker
- High-capacity rechargeable lithium battery
- Support high-capacity SD (SDHC) memory card
- High-resolution multi-media port: TV/HDMI live broadcasting and recording, can connect to high-definition TV for use
- Cycle recording
- Motion detection
- Seamless connection
- Outage auto-save
- Recording time can be set
- Can record at charging
- Auto power on to make records when starting car
- G-SENSOR gravity sensor (collision sensing recorder)
- SOS emergency lock (emergency manual mandatory record)
- GPS over-speed alarm function (This function can only be used in GPS.)
- Fatigue driving alarm
- Standby screensaver speed display (This function can only be used in GPS.)
- Special in-built player

Capacity Display

	1G	2G	4G	8G
1920*1080(FPS30)	11min	22min	45min	90min
1440*1080(FPS30)	17min	34min	69min	139min
1280*720(FPS60)	16min	32min	65min	130min
848*480(FPS60)	18min	36min	73min	146min
12M	287photos	574photos	1148photos	2296photos
8M	354photos	708photos	1416photos	2832photos
5M	572photos	1144photos	2288photos	4576photos
3M	1003photos	2006photos	4012photos	8024photos

The number of videos or pictures taken might be different because the host machine, brand of memory card, file size and other settings are different.

Product Structure



Use and Installation

● Battery indicator

1. Battery indicators are as below:



● Install and Take out Memory Card

1. Insert memory card into the slot as instructed until it is fixed.
2. When taking memory card out, press it slightly and take it out after the card pops up.

Attentions:

1. Insert the SD memory card before use.
2. Please pay attention to the direction of card, if it is inserted reversely, the machine and the card might be damaged.
3. If the memory card is incompatible with the machine, please insert it again or retry with another card.

Operating Instruction

● Set Menu Mode

1. In either picture taking/video/replay mode, press “MENU” to set relevant menus, please refer to the “Set Menu” for details.
2. In “Set Menu” in any mode, press “REC” to enter the next menu, press Up or Down to choose relevant settings, and then press “REC” to confirm and then press MENU to exit.

● Turn on/off and Auto-off Settings of Camera

1. Hold Power button for about 1s to turn on the camera, when it is on, hold the Power button for 3s and then release it to turn it off.
2. To save battery power, you can set auto-off time in the menu. When no operation happens after the set time, it will shut down automatically.
3. Turn the power on, press MENU button twice and switch to Setup Menu, then press Down to choose “Auto-off” and then press “REC” to enter the next menu. The auto-off time can be set as “OFF, 1Min, 3Min”.

● Set Date and Time

1. Turn the power on, press MENU button twice and switch to the Setup Menu, then press Down to choose “Date/Time” and then press “REC” to enter into year, month, day, hour, minute and second, then press Up, Down, to choose item to be set and press “REC”. When the item turns red, press Up or Down to make adjustment, after that, press “REC” to exit, and then press Down to move to “√” and press “REC” to confirm.



● Video Mode

1. Turn the power on, the camera is then started. The camera mode appears on the screen, then the signal “” appears at the top left corner, and it means already in recording mode.



2. Press “REC” button to start the video and press “REC” again to stop.

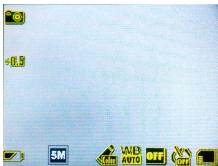
When recording the video, red “” and timer will appear at the bottom of screen, but the red “” and timer disappear once the video stops.

3. LED lamp

When the outside light is weak, you can set Night Shot on to enhance picture brightness.

● Photo Mode

1. Turn the power on, the camera is then started. Press “MODE” button in video mode twice, then the photo mode “” signal will appear at the top left corner, which means already in photo mode.



2. Turn the lens on the subjects and press Up or Down button to realize digital zoom, at this time, hold the camera still and do not shake it.
3. Press “REC” button, the camera gives a crack sound, and then the photo is taken.
4. Self-timer
Choose “MENU” button in photo mode, then press Down to choose “Timing” item, and press “REC” to choose the time as “OFF, 5s, 10s”.

Notes:

- 1. Press “MODE” button in video or photo mode can switch to the other mode.**
- 2. Press “MODE” in either video or photo mode can enter replay mode.**

● Replay Mode

1. Press “MODE” in photo or video mode can replay pictures or videos, and then select the picture or video with Up or Down button for scanning. When scanning the pictures or videos, press “REC” button to play or pause, and press “REC” again to suspend.
2. Delete single file

When replaying pictures or video files, press MENU button and choose “Delete single file”, press “REC” to confirm to enter single-file deletion mode, pressing “REC” button can delete the current picture or video file, press Left or Right button to scan files and choose the file to be deleted, press “REC” button directly to delete it.

3. Delete all files

When replaying pictures or video files, press MENU button and choose “Delete all files”, then press “REC”, the submenu “×, √” will appear, choose “×” and press “REC” to return to the main menu, or choose “√” and press “REC” to delete all pictures or videos.

4. Protection

When replaying pictures or video files, press MENU button and choose “Protection”, then press “REC” to enter into the “Protection” mode, press Left/Right button to select the picture or video to be protected, press “REC” to confirm, then the signal “” appears, that means the current picture is under protection, press “REC” again, the signal “” disappears, that means the protection for current file has been removed.

5. Autoplay

When replaying pictures, press “MENU” button and choose autoplay, press “REC” to confirm, and then autoplay starts.

Notes:

1 The write protected files can not be deleted, but can be formatted.

● Set Motion Detection

1. When the Motion Detection Function is on, the relative displacement in images will be detected automatically, if the object moves out of the default displacement, the recording is started automatically. Each time, the recording lasts for 30s, after that, the machine will continue detecting.

2. When the machine is on, press “MENU” button to choose detected items and then press Up or Down button to choose ON/OFF, and then press “REC” button to save and exit.

● Set G-SENSOR Function

1. When the G-Sensor function is on, if the car suffers crash or collision during the recording, the current images, the last and next images before or after setting the cycle record will be

locked and saved automatically without being covered by the cycled records, so as to guarantee the safety of important images.

2. When the power is on, press MENU button to enter the gravity sensor intensity item setting mode, press Up/Down to choose ON/OFF, press “REC” button to save and exit.

● **Set SOS Emergency Lock File**

1. When the SOS emergency lock file is started, you can save any image segment at will during the recording without being covered.

2. In the video mode, hold long “SOS” button, then “” appears and the current video is saved, but the video will end when next video starts.

● **Set GPS over-speed alarm**

Enter into “MENU” interface to set alarms for different speeds per hour.

● **Set fatigue driving alarm**

Enter into “MENU” interface to set fatigue driving alarm OFF/ON.

● **Charging-Recording Mode**

When the power is off, connect the car charger power to the machine. Once the car is started, the machine will turn on automatically and starts recording, meanwhile, the battery will be charged.

Attention: when the car stops, it will use battery power until auto power-off.

● **Special in-built player**

Before each camera shooting, the special video player is generated automatically to provide you with the accurate and detailed information about driving route, speed and location.

Store Files and Play Videos

● USB Backup Mode

When the power is on, connect the machine to computer with USB cable, if “MASS STORAGE” appears on the screen, it is in USB mode now. Open “My Computer” on the desktop and find the stored files under the path of “MEDIA/DCIM/100MEDIA”.

● Connect to TV and Play Videos

1. Connect camera to high-definition TV with HDMI cable to record, scan or play videos/photos.
2. Connect camera to TV with TV cable to record, scan or play Videos/Photos.

Note: No need to install driver, the portable disk can only be used when the camera is on.

Button Function

Video/Photo Mode

Power	On/Off
REC	Record/Stop recording/Photo Taking/Confirm
Left (Up)	Zoom in
Left (Down)	Zoom out
Left (Up)	EV adjustment
Left (Middle)	SOS
Left (Down)	LED lamp
MENU	Menu selection
Mode	Mode selection/Scan pictures or videos

Replay Mode

Power	On/Off
Direction button (Up)	Last/fast backward
Direction button (Down)	Next/fast forward
Menu	Menu selection
“REC” button	Confirm/Replay: start/pause

Set Menu

Mode	Menu	Set Menu	Note
Record	Cycle recording	ON/OFF	
	Microphone	√/×	
	Displacement detection	ON/OFF	ON: Auto-recording while images displacement detected.
	Recording cycle	1min/3min/15min	
	Gravity sensing intensity	ON/OFF	
	White balance	Auto/sunlight/cloudy/CFL/Tungsten	
	Image resolution	1080P/1080I/720P/480	
	Special effect	Colorful/black and white/sepia	
	Screen turnover	√/×	
	Fatigue driving alarm	ON/OFF	
	GPS over-speed alarm	OFF/60KM/80KM/100KM/120KM /	
Camera	Standby speed display	OFF/15s/1min/3min	
	White balance	Auto/sunlight/cloudy/CFL/Tungsten lamp	
	Image resolution	16M/12M/8M/5M/3M	
	Special effect	Colorful/black and white/sepia	
	Night shot	ON/OFF	
	Self-timer	OFF/5s/10s	Press shoot button, self-timer is on after set time.
	Continuous shooting	OFF/5s/10s	Press shoot button, photos are taken automatically at a set interval.
	Screen turnover	√/×	

Replay	Delete single file		
	Delete all files	√/×	
	Protection		
	Autoplay		
Setting	Tone	√/×	
	Auto-off	OFF/1min/3min	
	Screen off	OFF/1min/3min/5min	
	TV output format	NTSC/PAL	
	Formatting	√/×	
	Factory reset	√/×	
	Language	English/Simplified Japanese/Traditional Chinese/Russian	
	Frequency	50HZ/60HZ	
	Date/time	Year, month, day/hour, minute, second	

Specification

Sensor	5 Mage pixels CMOS
Lens	3.4mm
Focal range	10cm - Infinity
LSD screen	1.5" TFT LCD
Video output	HD multi-media port: HDMI CTS1.2 support 1080P/1080I/720P/WVGA output mode TV synthetic signal: NTSC/PAL
Photo format	Photo format: JPEG Maximum output: 16M(4000X3000)
Video format	TS(H.264)
Video signal	1920*1080 (30/s) 1440*1080(30/s) 1280*720 (60/s) 848*480 (60/s)
Zoom	8x digital zoom
Video medium	External: Micro SD card (maximum 32G)
Audio	Built-in microphone/loudspeaker(Mono)
Shutter	Electronic shutter
Shutter speed	1/2-1/1000s
White balance	Auto/sunlight/cloudy/CFL/Tungsten lamp
Fill-in light	On/Off
Connector	USB2.0/HDMI/TV
Battery	Built-in lithium battery
USB	USB2.0 hi-speed transmission
Size	Length 119mm× width 45mm×thickness 25.5mm
Work temperature/humidity	-10℃-60℃/10%-80%

Packed Accessories

Warm prompt: To avoid any loss, please check the accessories while purchasing this product.

1. Car charger *1
2. Bracket *1
3. USB cable *1
4. HDMI cable *1
5. Use Manual *1

Easy Troubleshooting

● No photographing or video recording?

Please change the resolution of photographing or video recording or replace a memory card with enough space, and check whether the memory card is locked or not.

● No image on HD TV screen?

Please check whether HDMI video cable is completely inserted or not, please use the HDMI cable provided.

● Photos taken or videos recorded are not clear?

Please use it after wiping clean the lens, or check whether the far-near focus setting is correct or not.

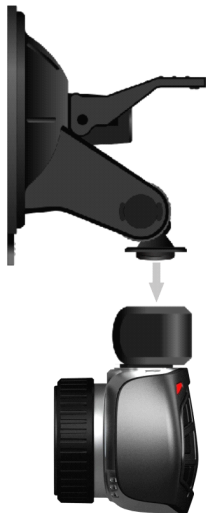
Tips for operation

The camera is similar to the computer, if no operation happens, please follow the following steps:

- 1. Take out battery, re-load it and then restart camera.**
- 2. If camera goes wrong, please press RESET button to restart camera.**
- 3. Please use RESET button with caution, otherwise, may cause data loss.**

Installation Instruction for Bracket

Installation Steps:



Step 1



Step 2